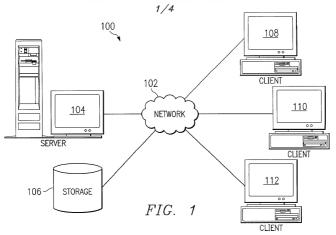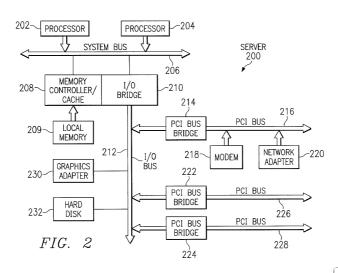YOR920000522US1
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FIG. 1

FIG. 2

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CLIENT
300

PROCESSOR 302

HOST/PCI CACHE/BRIDGE 308

MAIN MEMORY 304

AUDIO ADAPTER 316

BUS

306

SCSI HOST BUS ADAPTER 312

LAN ADAPTER 310

EXPANSION BUS INTERFACE 314

GRAPHICS ADAPTER 318

AUDIO/ VIDEO ADAPTER 319

DISK 326

TAPE 328

CD-ROM 330

KEYBOARD AND MOUSE ADAPTER 320

MODEM 322

MEMORY 324

FIG. 3

SERVER
400

INFERENCE ENGINE 418

FACTOR DATABASE 408

USER DATABASE 414

PREFERENCE FILES 416

CLIENT 420

BROWSER 422

HISTORICAL DATABASE 410

TRAVEL SCORING PROCESS 406

WEB SERVER 402

WEB PAGES 412

TRAVEL PROCESS 404

FIG. 4

YOR920000522US1
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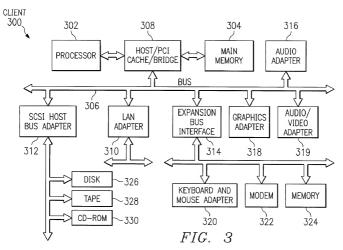Itineraries in a Data Processing System
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FIG. 5

Values in Figure 5:

- 530, 532, 534, 536, 538, 540, 546
- 516, 518, 520, 521, 524, 526, 528
- TRAVEL TIME — 502
- WAITING TIME — 504
- PLANE CHANGES — 506
- INCONVENIENCE OF STOPS — 508
- AISLE SEAT — 510
- WINDOW SEAT — 512
- MIDDLE SEAT — 514
- 500
- SUBMIT FORM — 530
- CLEAR FORM — 532
- HOME — 534
- TERMS OF USE — 536
- BACK — 538

START

600 — RECEIVE REQUEST FOR AN ITINERARY FROM A USER

602 — INQUIRE PREFERENCE SOURCE?

DEFAULT

616 — USE EXISTING PREFERENCES

INFERENCE

618 — SYSTEM USE PATTERN RECOGNITION METHODS TO ESTABLISH PREFERENCE WEIGHTS

UPDATE

604 — SEND QUESTIONNAIRE

606 — RECEIVE RESPONSE

608 — IDENTIFY VALUES FOR SELECTED OPTIONS

610 — IDENTIFY UNSELECTED OPTIONS

612 — SCORE ITINERARIES BASED ON IDENTIFIED INFORMATION

614 — RETURN RESULTS TO USER

END

FIG. 6

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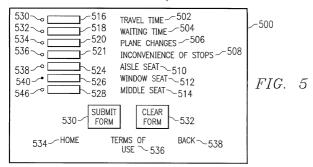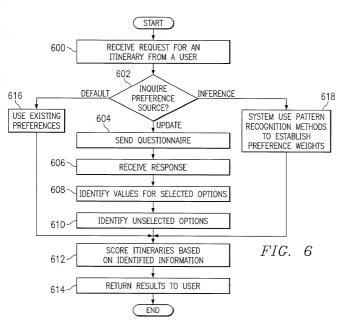Itineraries in a Data Processing System
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FIG. 7

```
                    ( START )
                        │
700 ─── IDENTIFY ROUTES BETWEEN
         START AND DESTINATION
                        │
702 ───   SELECT A ROUTE
                        │
       704
                  ALL OPTIONS    ─YES──────────────  710
                    MATCH?                            │
                        │NO              MARK ROUTE AS
       706                              IDENTICAL MATCH
                    MATCH
712 ───YES─  WITHIN A THRESHOLD
                    VALUE?
MARK ROUTE              │NO
                        │
                  MORE ROUTES
             YES    TO PROCESS?
                        │
       708           NO
                     MARKED
             OR MARKED IDENTICAL  ─YES
                ROUTE PRESENT?         │
       716              │NO
718 ───  SELECT CLOSEST MATCH
                        │
                    ( END )
```